

# **BUSINESS PROPOSAL FOR THE COMMERCIAL DEPLOYMENT OF THE AUTOMATED POULTRY MANAGEMENT SYSTEM FOR BATTERY CAGE SYSTEMS**

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## **Executive Summary**

The Automated Poultry Management System for Battery Cage System is an innovative solution designed to enhance efficiency, productivity, and profitability in poultry farming. This system integrates advanced automation technologies to optimize feeding, watering, egg collection, and waste management, ensuring a healthy and comfortable environment for layers.

## **Problem Statement**

Nigeria's poultry industry faces challenges such as:

- High labor costs and inefficiencies in manual operations
- Poor bird health and welfare due to inadequate living conditions
- Low egg production and quality
- Environmental pollution from waste management issues

## **Solution Overview**

The Automated Poultry Management System for Battery Cage System offers:

- Automated feeding, watering, egg collection, and waste management
- Optimized living conditions for layers, improving health and welfare
- Increased egg production and quality
- Reduced labor costs and environmental impact



**Figure1: Automated Poultry Management System for Battery cage Showing the back view**



**Figure 2: Automated Poultry management system for Battery cage system showing the side view.**

## **Market Analysis**

The Nigerian poultry market is growing rapidly, driven by increasing demand for eggs and poultry products. The Automated Poultry Management System for Battery Cage System addresses the needs of:

- Commercial poultry farms
- Small-scale farmers
- Integrated poultry production systems

## **Financial Projections**

Initial Investment: ₦200,000,000

- Annual Revenue: ₦ 300,000,000

- Payback Period: 2-3 years

- Expected ROI: ₦100,000,000

## **Implementation Plan**

- **Phase 1 (Pilot Implementation):** Install and test the system on a small-scale farm
- **Phase 2 (Scale-up):** Expand to larger farms and integrate with existing systems
- **Phase 3 (Export Readiness):** Explore export opportunities to West African markets

## **Funding Requirements**

To commence full-scale production and commercialization, the project requires ₦200 million in funding, distributed as follows:

- Equipment Procurement and Installation: ₦80 million
- Software Development and Integration: ₦30 million
- Marketing and Distribution: ₦40 million
- Working Capital and Staff Development: ₦50 million